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# **WATER SUPPLY OUTLOOK** and **FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS** for **UTAH**

**UNITED STATES DEPARTMENT of AGRICULTURE--SOIL CONSERVATION SERVICE.**  
and  
**STATE ENGINEER of UTAH**

In cooperation with U.S. Forest Service, Bureau of Reclamation,  
Utah Fish and Game Dept., Utah Agricultural Experiment Station,  
U.S. National Park Service, U.S. Geological Survey; and other  
Federal, State, and private organizations.

AS OF  
**MAY 1, 1963**

# UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

## To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Water Supply Forecasting Unit, Soil Conservation Service, P.O. Box 4170, Portland 8, Oregon.

### PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
WESTERN UNITED STATES	MONTHLY (FEB.-MAY)	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN. 15 - APR. 1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLORADO STATE UNIVERSITY COLORADO STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (JAN.-JUNE)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
MONTANA	MONTHLY (JAN.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

### PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	WATER RIGHTS BR., DEPT. OF LANDS, FORESTS AND NATURAL RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

**WATER SUPPLY OUTLOOK**  
and  
**FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**  
for  
**UTAH**

**MAY 1, 1963**

*Report prepared by*

**GREGORY L. PEARSON, Snow Survey Supervisor**

*and*

**GARRY DINSDALE, Asst. Snow Survey Supervisor**

**SOIL CONSERVATION SERVICE  
SNOW SURVEY SECTION  
222 SOUTH WEST TEMPLE  
SALT LAKE CITY 1, UTAH**

*Issued by*

**WAYNE D. CRIDDLE**

**STATE ENGINEER  
STATE OF UTAH  
SALT LAKE CITY, UTAH**

**J.A. LIBBY**

**STATE CONSERVATIONIST  
SOIL CONSERVATION SERVICE  
SALT LAKE CITY, UTAH**

**DR. D.W. THORNE**

**DIRECTOR  
UTAH AGRICULTURAL  
EXPERIMENT STATION  
LOGAN, UTAH**





# PROSPECTIVE WATER SUPPLIES

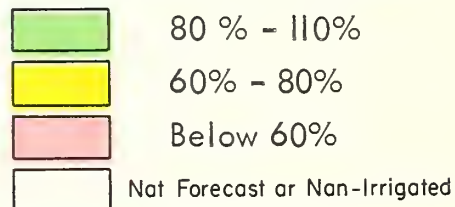
Based on Snow Surveys Made on  
UTAH and BEAR RIVER WATERSHEDS

May 1, 1963

Approximate Date



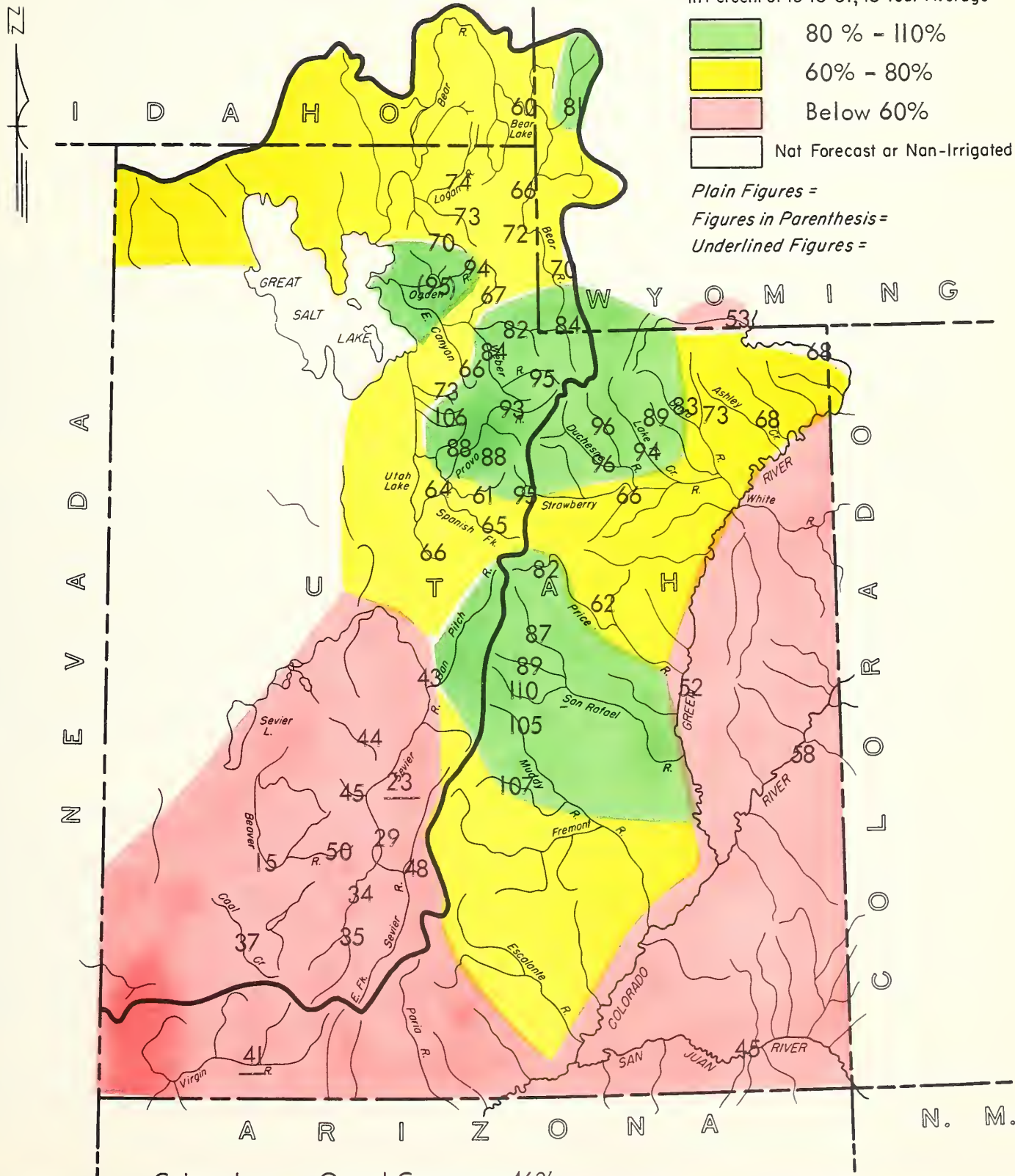
FORECAST STREAM FLOW  
in Percent of 1943-57, 15 Year Average



Plain Figures =

Figures in Parenthesis =

Underlined Figures =



Colorado near Grand Canyon = 46%





# WATER SUPPLY OUTLOOK

as of

MAY 1, 1963

\*\*\*\*\*  
\* Record to near record snow and rainfall during April in the \*  
\* mountains of central and northern Utah has greatly improved \*  
\* the very poor water outlook reported last month. Now, fore- \*  
\* casts for these areas vary from a low of 61% on Hobbie Creek \*  
\* near Springville to a high of 110% on Ferron Creek near \*  
\* Ferron. In southern Utah on the Sevier, Virgin and Beaver \*  
\* rivers and adjacent smaller streams the outlook has also \*  
\* improved some, but is still critically low. Forecasts for \*  
\* these streams - as well as for those near Moab, Monticello \*  
\* and Blanding - range between 15% and 50% of average. \*  
\*\*\*\*\*

Mountain snow and rainfall in central and northern areas during the month varied between about 200% and 350% of average. In a few places - Chalk Creek east of Coalville and at Davies Resort on Rock Creek in the Uintah Basin - practically as much water fell during April as had fallen from the first of October to the first of April. In southwestern Utah, April precipitation in the mountains varied from about 130% to 200% of average. In southeastern Utah it was about 50% to 80%.

Because snowmelt conditions have been much below normal this month, the snowpack has continued to build up. Ordinarily water is lost from the pack during April. In central and northern sections, it varies from about average to twice the average amount. For example, at Soapstone Ranger Station on the Provo river there is 8.4 inches of water in the snow, more than twice the average amount of 4.0 inches. This, however, does not mean that runoff will be double the usual amount. Because of the delayed snowmelt, the soils underneath the snow are much drier than usual for May 1. They will not yield the normal amount to the streams when the existing snowpack melts. However, the delayed snowmelt during April will have the effect of causing the streams to rise higher when they reach their peak flow, and to hold up longer into the summer months.

Several examples of the effect of the April storms on the water outlook are as follows. Last month Chalk Creek near Coalville was expected to yield 24% of average flow. This month the forecast is for 82%. Hobbie Creek near Springville went from 15% to 61%, Strawberry reservoir inflow from 27% to 95%, Pineview reservoir inflow from 40% to 95%, Big Cottonwood near Salt Lake from 62% to 106%. In southwestern Utah, forecasts changed as follows - Beaver river near Beaver from 29% last month to 50% expected this month, Virgin river from 34% to 41%, Sevier inflow from Kingston to Vermillion Dam from 17% to 23%, and Sevier near Gunnison from 34% to 43%.

In the following areas forecasts now range between 60% and 80% of average: the Bear river and all its tributaries in Utah (except south of Evanston), Lost



Creek near Croydon, East Canyon Creek near Morgan, streams near Tooele, Utah Lake inflow and its southern tributary streams, Strawberry river near Duchesne, streams near Vernal - Whiterocks river, Ashley and Brush Creeks, and the Fremont and Escalante rivers. These streams will produce a fair supply for water users having natural flow rights, with some shortages being experienced in late summer months. Where reservoir storage water is available, supplies should be adequate for most needs.

Good to excellent supplies - forecasts range between 80% and 110% of average - are expected for the following streams: Ogden river, Weber, Provo, Bear above Evanston, northern Uintah Basin streams from the Duchesne to Uinta rivers, Strawberry reservoir inflow, American Fork river, the Cottonwood Creeks near Salt Lake, Farmington Creek, the San Pitch, San Rafael and Muddy rivers, and Scofield reservoir inflow.



UTAH STREAMFLOW FORECASTS <sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>b</sup>	THIS YEAR AS PERCENT OF AVERAGE
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## GREAT BASIN

BEAR RIVER SYSTEM

Bear nr Ut-Wyo. State Line	97	May-Sept	129	116	84
Bear nr Woodruff	74	May-Sept	96	106	70
Woodruff Crk nr Woodruff, Ut.	11.5	May-Sept	13.1	16.0*	72
Big Crk nr Randolph, Utah	5.5	May-Sept	4.5	8.3*	66
Bear nr Randolph	44	May-Sept	65	88	50
Smith's Fork nr Border, Wyo.	87	May-Sept	121	108	81
Bear at Harer, Idaho	142	May-Sept	221	235	60
Little Bear nr Paradise	19.5	May-Sept	30.4	28	70
Logan nr Logan (1)	92	May-Sept	114	125	74
Blacksmith Fork nr Hyrum (2)	37	May-Sept	42	51	73

WEBER-OGDEN RIVERS

Weber nr Oakley	92	May-June	101	96	96
	116	May-Sept	129	122	95
Wanship Reservoir Inflow (3)	102	May-July	117	110*	93
Weber nr Coalville (4)	100	May-Sept	119	119	84
Chalk Crk at Coalville	28	May-Sept	24.3	34	82
Lost Crk nr Croydon, Ut.	9.5	May-Sept	7.7	14.1	67
East Canyon Crk nr Morgan (5)	12	May-Sept	12.5	18.1	66
So. Fork Ogden nr Huntsville	46	May-Sept	38	49	94
Pineview Reservoir Inflow (6)	104	Mar-July	142	140	74
	73	May-July	64	77	95

PROVO RIVER & UTAH LAKE

Strawberry Reservoir Inflow (7)	40	May-Sept	46	42	95
Spanish Fork at Thistle	22	May-Sept	32	34	65
Payson Creek nr Payson	4.5	May-Sept	6.1	6.8*	66
Hobble Crk nr Springville	10	May-Sept	14.9	16.5*	61
Provo nr Hailstone (8)	95	May-Sept	119	102*	93
Provo at Vivian Park (9)	114	May-Sept	144	129	88
American Fork nr American Fork	28	May-Sept	32	32	88
Utah Lake Inflow	150	May-Sept	203	234	64

JORDAN RIVER & SALT LAKE

Little Cottonwood Crk nr SLC	38	May-Sept	40	36	106
Big Cottonwood nr SLC	38	May-Sept	38	36	106
Parley's Crk nr SLC	8	May-Sept	8.0	11	73

(1) Includes U.P. & L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (2) Above Utah Power & Light Company's dam. (3) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (4) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (5) Observed flow plus change in storage in East Canyon Reservoir. (6) Inflow record as computed by U.S. Bureau of Reclamation. (7) Change in storage plus diversion thru Strawberry tunnel. (8) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (9) Observed flow plus change in Storage in Deer Creek reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal, plus diversion thru Salt Lake Aqueduct.





UTAH STREAMFLOW FORECASTS <sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>b</sup>	THIS YEAR AS PERCENT OF AVERAGE
<u>SEVIER RIVER</u>					
Sevier at Hatch	7.5	May-June	33	28	27
	16	May-Sept	47	46	35
Sevier nr Circleville	11.5	May-Sept	35	34*	34
Sevier nr Kingston	1	May-June	14.9	15.9	6
	3	May-Sept	16.9	20.9	14
East Fork Sevier nr Kingston(10)	0.5	May-June	3.4	9.1	5
	6.5	May-Sept	6.1	13.4	48
Sevier below Piute Dam(11)	10	May-Sept	20.9	35	29
Clear Crk nr Sevier(abv.Div.)	5.5	May-June	9.9	12.1*	45
Inflow					
Kingston to Vermillion Dam	11	Apr-June	- -	47	23
Vermillion Dam to Gunnison	35	Mar-June	- -	63	56
Salina Crk at Salina(12)	1	May-June	7.9	8.2*	12
Sevier nr Gunnison a	20	May-Sept	43	46	43
Chalk Creek nr Fillmore	7	May-Sept	14.3	16*	44
<u>BEAVER RIVER</u>					
Beaver nr Beaver	9.5	May-June	14.9	18.9	50
	13	May-Sept	22.6	26	50
Rockyford Reservoir Inflow(13)	1.2	May-June	2.7	8.0	15
<u>COAL CREEK</u>					
Coal Crk nr Cedar City	5	May-Sept	13.7	13.5	37
COLORADO RIVER BASIN					
GREEN RIVER TRIBUTARIES IN UTAH					
<u>FLAMING GORGE TO DUCHESNE RIVER</u>					
Henry's Fork at Linwood	18	May-Sept	- -	34	53
Ashley Creek nr Vernal	38	May-Sept	73	56	68
<u>DUCHESNE RIVER</u>					
Duchesne at Provo River					
(Trail nr Hanna)	36	May-Sept	- -	40*	90
Duchesne nr Tabiona(14)	101	May-Sept	135	105	96
Rock Crk nr Mtn. Home	100	May-Sept	120	104	96
Strawberry at Duchesne	43	May-Sept	67	65	66
Lakefork below Moon Lake(15)	70	May-Sept	93	74	94
Uinta nr Neola	80	May-Sept	125	96	83
Whiterocks nr Whiterocks	47	May-Sept	84	64	73
Yellowstone nr Altonah	67	May-Sept	93	75	89

(10) Observed flow plus change in storage in Otter Creek Reservoir. (11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs. (12) Gage is below diversions near Salina. (13) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir. (14) Observed flow plus diversion through Duchesne Tunnel. (15) Observed flow plus change in storage in Moon Lake Reservoir.



# UTAH STREAMFLOW FORECASTS <sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>b</sup>	THIS YEAR AS PERCENT OF AVERAGE
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## PRICE RIVER

Gooseberry Crk nr Scofield	9.5	May-Sept	15.1	11.4	83
Scofield Reservoir Inflow(16)	28	May-Sept	40	34	82
Price nr Heiner (16)	35	May-Sept	62	56	62

## SAN RAFAEL RIVER

Huntington Crk nr Huntington	46	May-Sept	65	53	87
Cottonwood Crk nr Orangeville	50	May-Sept	49	56	89
Ferron Crk nr Ferron	43	May-Sept	52	39*	110

## MUDDY RIVER

Muddy Creek nr Emery	22	May-Sept	27.1	21.0*	105
Ivie Creek abv. Div. nr Emery	1.6	May-Sept	- -	1.5*	107

## VIRGIN RIVER

Virgin at Virgin	18	Apr-June	57	44	41
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## UPPER COLORADO BASIN

Colorado nr Cisco, Utah	2100	May-Sept	4147	3602	58
Flaming Gorge Inflow(17)	900	May-Sept	1297	1329	68
Green at Green River, Utah(17)	1600	May-Sept	3299	3080	52
San Juan nr Bluff, Utah (18)	475	May-Sept	807	1044	45
Colorado nr Grand Canyon(17-18)	3200	May-July	8329	7022	46
	3700	May-Sept	9168	8121	46

(16) Observed flow plus change in storage in Scofield Reservoir. (17) Observed flow plus change in storage in Flaming Gorge and Big Sandy Reservoirs. (18) Observed flow plus change in storage in Navajo Reservoir.

### GENERAL FOOTNOTES

(a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U.S. Geological Survey. (b) 1943-57, 15 year period. \*Partly estimated.





## RESERVOIR STORAGE ( 1,000 Ac. Ft. )

BASIN or STREAM	RESERVOIR	USABLE CAPACITY	MEASURED (FIRST OF MONTH)		
			THIS YEAR	LAST YEAR	AVERAGE <sup>a</sup>
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	804.2	706.0	921.5
	Woodruff Narrows	26.5	25.5	22.0	- - -
<u>Little Bear</u>	Hyrum	15.3	15.3	13.6	14.6
	Porcupine	11.3	6.5	- - -	- - -
<u>Ogden</u>	Pineview	110.0	94.1	86.2	29.3
<u>Weber</u>	Rockport	60.9	34.7	35.0	- - -
	Echo	73.9	55.2	45.2	54.8
	East Canyon	28.7	24.0	18.8	23.8
<u>Provo</u>	Deer Creek	149.7	120.3	81.9	94.9
<u>Spanish Fork</u>	Strawberry	270.0	64.1	43.5	150.1
<u>Utah Lake</u>	Utah Lake (b)	1149.0	348.4	376.6	691.1
<u>Sevier River</u>	Otter Creek	52.5	25.4	42.6	41.4
	Piute	74.0	17.5	50.0	53.1
	Sevier Bridge	236.1	73.3	80.8	169.2
<u>Beaver River</u>	Rocky Ford	23.3	9.2	10.0	17.0
COLORADO RIVER DRAINAGE					
<u>Ashley Creek</u>	Steinaker	33.3	16.6	- - -	- - -
<u>Lake Fork</u>	Moon Lake	35.8	18.8	26.9	15.5
<u>Price River</u>	Scofield	65.8	22.1	13.9	23.9
<u>Green</u>	Flaming Gorge	3789.0*	165.3	- - -	- - -
<u>San Juan</u>	Navajo	1709.0*	217.0	- - -	- - -
<u>Colorado</u>	Lake Powell	28040.0*	697.0	- - -	- - -

All data contained in this table supplied by the U.S. Geological Survey

\* - Total capacity reported



# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## GREAT BASIN DRAINAGE

### UPPER BEAR RIVER (Above Harer, Idaho)

Big Park	10G11	8700	4/27	59	20.6	22.1	18.4b
Burts-Miller Ranch	10J6	7900	4/30	0	0.0	0.0	0.6b
CCC Camp x	10G7	7500	4/29	19	7.8	0.0	6.0*
Hayden Fork	10J7	9300	4/30	44	17.6	16.3	14.2b
Kelly Ranger Station	10G12	8200	4/27	47	16.3	19.2	16.0b
Monte Cristo R. S.	11H12	8960	4/29	75	27.3	24.2	24.6b
Piney LaBarge x	10G10	8820	4/28	52	20.0	20.8	15.2*
Poison Meadows x	10G6	8500	4/28	82	30.7	37.1	30.8b
Salt River Summit x	10G8	7900	4/29	35	14.2	10.6	10.8*
Stillwater Camp	10J17	8550	4/30	22	8.0	2.8	5.1b
Trial Lake x	10J8	9800	4/29	88	28.2	32.4	28.8b

### LOWER BEAR RIVER (Below Harer, Idaho)

Beaver Crk-Skunk Crk.	11H14	7150	4/29	9	3.1	0.0	3.1b
Dry Bread Pond x	11H13	8230	4/29	51	19.5	11.0	13.1b
Emigrant Summit	11G6	7700	4/26	49	16.8	17.9	- -
Franklin Basin	11G8	8200	4/25	73	28.1	23.2	26.5b
Garden City Summit	11H7	7600	4/25	43	15.8	9.1	13.6b
Klondike Narrows	11H1	7400	4/25	35	13.8	7.2	12.9b
Little Bear(lower)	11H26	6100	4/30	0	0.0	0.0	0.1b
Little Bear(upper)	11H25	6850	4/30	2	0.9	0.0	0.9b
Monte Cristo R.S.	11H12	8960	4/29	75	27.3	24.2	24.6b
Oxford Mountain	12G3	6800	5/1	3	0.9	N.R.	- -
Steep Hollow #1	11H27	8500	4/25	95	33.8	33.6	- -
Steep Hollow #2	11H28	7700	4/25	61	24.0	13.0	- -
Strawberry Creek	11G9	5800	4/26	0	0.0	0.0	1.7*
Strawberry Mink Divide	11G10	6800	4/26	28	12.3	8.2	15.0*
Tony Grove R.S.	11H3	6250	4/25	1	0.3	0.0	0.5b
Willow Flat	11G4	6100	4/26	0	0.0	0.0	3.0*

### OGDEN RIVER

Beaver Crk-Skunk Crk.	11H14	7150	4/29	9	3.1	0.0	3.1b
Ben Lomond Peak	11H8	8000	4/30	80	34.3	39.7	30.2b
Ben Lomond(lower)	11H9	5850	4/30	6	2.2	0.0	3.1b
Ben Lomond Trail	11H30	6000	4/30	6	2.2	New Course	
Cutler Creek	11H29	6780	4/30	49	22.2	New Course	
Dry Bread Pond	11H13	8230	4/29	51	19.5	11.0	13.1b
Horse Ridge	11H21	8260	4/26	56	22.0	- -	- -
Monte Cristo R.S.	11H12	8960	4/29	75	27.3	24.2	24.6b
Sagebrush Flat	11H15	6300	4/29	0	0.0	0.0	0.0b

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1943-57, 15 year average.



# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## WEBER RIVER

Beaver Creek R.S.	11J24	7500	4/29	8	2.4	0.0	0.8b
Chalk Creek #1	11J1	9100	4/24	77	30.2	20.9	23.1b
Chalk Creek #2	11J2	8000	4/24	44	15.5	8.7	10.7b
Chalk Creek #3	11J3	7500	4/24	10	2.7	0.0	1.1b
Farmington Canyon(lower)	11J12	6950	4/30	52	20.6	21.5	19.5b
Farmington Canyon(upper)	11J11	8000	4/30	80	29.9	27.0	28.8b
Horse Ridge	11H21	8260	4/26	56	22.0	- -	- -
Kilfore Creek	11H31	7300	4/26	29	10.8	New Course	
Lamb's Canyon x	11J14	6600	4/29	23	7.8	5.4	6.0b
Lost Creek Reservoir	11H32	6125	4/26	0	0.0	New Course	
Parley's Canyon Smt.	11J15	7500	4/27	39	14.1	5.0	9.8b
Redden Mine(lower)	11J6	8500	4/26	49	17.8	17.6	14.8b
Redden Mine(upper)	11J5	9000	4/26	52	20.0	19.9	16.8b
Silver Lake x	11J16	8725	4/26	70	26.8	30.2	24.2*
Smith & Morehouse	11J4	7600	4/27	18	7.1	4.1	4.8b
Trial Lake x	10J8	9800	4/29	88	28.2	32.4	28.8b

## PROVO RIVER & UTAH LAKE

Camp Altamont	11J20	7300	4/30	13	5.0	1.2	5.4b
Clear Creek Ridge #1	11K21	9200	4/26	42	15.4	17.6	15.1b
Clear Creek Ridge #2	11K22	8000	4/26	15	5.0	9.3	7.7b
Clear Creek Ridge #3	11K23	6600	4/26	0	0.0	0.0	0.1b
Daniels-Strawberry Smt.	11J23	8000	4/30	26	9.8	7.7	7.3b
Dutchman R. S.	11J17	7500	4/30	29	12.4	4.2	6.7b
Hobble Creek Summit	11J22	7300	4/24	20	5.6	5.6	4.2b
Packard Canyon	11J31	6400	4/24	6	1.9	0.0	0.4b
Payson R. S.	11K1	8050	4/25	34	11.4	13.3	11.1b
Rock Bridge	11K2	6750	4/25	8	2.9	0.0	4.0b
Soapstone R. S.	11J25	7800	4/29	25	8.4	4.2	4.0b
Timpanogos Divide	11J21	8140	4/30	51	21.0	18.2	18.7
Trial Lake	10J8	9800	4/29	88	28.2	32.4	28.8b

## JORDAN RIVER & TOOELE VALLEY

Bevan's Cabin	12J2	6450	4/29	5	1.8	0.0	1.4b
Lamb's Canyon	11J14	6600	4/29	23	7.8	5.4	6.0b
Middle Canyon - Tooele	12J3	7000	4/29	12	4.2	2.6	5.4b
Mill D South Fork	11J10	7400	4/26	46	17.4	7.6	10.9b
Parley's Canyon Smt. x	11J15	7500	4/27	39	14.1	5.0	9.8b
Rocky Basin-Settltmt.Cyn.	12J1	8900	4/29	71	23.2	27.3	23.2b
Silver Lake	11J16	8725	4/26	70	26.8	30.2	24.2*

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1943-57, 15 year average.





# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## UPPER SEVIER RIVER (South of Richfield, Utah)

Big Flat x	12L7	10290	4/25	46	14.2	19.8	19.6b
Box Creek	12L4	9800	4/25	23	7.9	10.8	10.4b
Castle Valley	12M13	9700	4/30	19	6.6	1.2	5.5b
Cedar Breaks	12M1	10390	4/29	55	16.8	22.0	17.0b
Duck Creek R.S.	12M4	8560	4/26	7	2.0	4.9	4.5b
Fish Lake	11L3	8700	5/1	0	0.0	0.0	2.7b
Harris Flat R.S.	12M5	7700	4/26	0	0.0	0.0	0.4b
Kimberly Mine	12L6	8900	4/26	24	8.8	12.2	13.1b
Midway Valley	12M2	9800	4/29	52	16.8	20.8	19.0b
Panguitch Lake	12M7	8200	4/30	0	0.0	0.0	Trace b
Squaw Springs	12L5	9300	4/25	3	0.8	0.0	2.7b
Widtsoe-Escalante Smt.	11M1	9500	4/29	6	2.0	0.0	1.9b
Widtsoe-Escalante #2	11M2	9500	4/29	20	6.0	4.2	4.7b
Widtsoe-Escalante #3	11M3	9500	4/29	29	9.9	6.2	7.2b

## LOWER SEVIER RIVER (Including San Pitch River)

Beaver Dams	11K13	8000	4/25	20	8.1	8.9	5.6b
Farnsworth Lake	11L1	9900	4/29	49	15.9	20.7	18.7b
G.B.R.C. Headquarters	11K11	8700	4/30	38	14.3	17.3	14.3b
G.B.R.C. Meadows	11K10	10000	4/30	76	29.7	30.9	28.0b
Gooseberry R.S.	11L2	8400	4/29	19	6.0	6.7	6.5b
Gooseberry Reservoir x	11K4	8700	4/26	44	18.2	21.4	17.5b
Mammoth R.S.-Ctnwd. Crk.	11K3	8800	4/26	42	18.4	22.2	17.4b
Mt. Baldy R.S.	11K12	9500	4/25	59	23.2	29.1	23.2b
Pine Creek	12L1	8700	4/24	22	8.2	10.8	12.2b
Shingle Mill	12L11	6200	4/23	0	0.0	1.3	- -b

## BEAVER RIVER

Big Flat	12L7	10000	4/25	46	14.2	19.8	19.6b
Merchant's Valley	12L9	8200	4/25	6	1.8	Trace	3.2b
Otter Lake	12L8	9300	4/25	32	9.8	11.6	13.9b

## PAROWAN CREEK

Ed Ward Flat	12M12	8300	4/25	0	0.0	0.0	1.2b
Yankee Reservoir	12M11	8700	4/25	7	2.1	4.6	5.1b

## COAL CREEK

Cedar Breaks	12M1	10390	4/29	55	16.8	22.0	17.0b
Midway Valley x	12M2	9800	4/29	52	16.8	20.8	19.0b
Urfe Flat	12M10	8450	4/29	1	0.3	0.0	0.9b
Webster Flat	12M3	9200	4/29	22	7.1	5.8	8.9b

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1943-57, 15 year average.



# SNOW

DRAINAGE BASIN and SNOW COURSE				CURRENT INFORMATION			PAST RECORD	
				DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION					LAST YEAR	AVERAGE <sup>a</sup>

## COLORADO RIVER DRAINAGE

### UPPER GREEN RIVER IN UTAH

#### (Tributaries above Flaming Gorge)

Black's Fork Jct.	10J22	8925	4/22	30	8.3	5.8	- -
Buck Pasture A	10J23	9700	4/23	52	15.3	NR	- -
East Fk. Black's Fk.G.S.	10J21	9300	4/22	30	8.7	9.5	- -
Henry's Fork A	10J24	10200	4/23	33	9.8	NR	- -
Hewinta Guard Station	10J4	9500	4/22	34	10.8	6.8	- -
Hickerson Park	9J8	9100	4/24	13	3.0	3.9	- -
Spirit Lake	9J7	10300	4/23	38	9.8	16.2	- -
Steel Creek Park	10J20	9900	4/23	44	13.0	13.3	- -

### BRUSH CREEK

Kings Cabin(lower)	9J2	8600	4/23	18	4.4	8.0	4.5b
Kings Cabin(upper)	9J1	8730	4/23	30	8.0	11.4	6.3b

### DUCHESNE RIVER

Ashley Twin Lakes A	9J11	10500	4/23	42	11.6	14.2A	- -
Atwood Basin A	10J27	10250	4/23	45	12.8	7.4A	- -
Chepeta-Whiterocks Lakes A	9J9	10300	4/23	44	12.5	18.5A	- -
Daniels-Strawberry Smt.x	11J23	8000	4/30	26	9.8	7.7	7.3b
Five Point Lake A	10J26	11000	4/23	64	17.9	21.5A	- -
Indian Canyon	10K1	9100	4/26	26	8.3	10.4	7.5b
Julius Park	9J6	9800	4/25	39	11.4	13.9	10.4b
Lakefork Basin	10J25	11100	4/23	65	17.6A	20.5A	- -
Lakefork Mountain	10J10	10500	4/26	38	10.1	15.1	10.9b
Lakefork Mountain #2	10J11	8900	4/26	11	3.4	5.7	2.2b
Lakefork Mountain #3	10J12	8100	4/26	2	0.8	0.0	0.2b
Mosby Mountain	9J5	9500	4/25	33	9.3	10.8	8.3b
Paradise Park	9J3	10100	4/25	33	9.1	14.4	11.2b
Reynolds Park A	9J10	10400	No Report			New Aerial Marker	
Soapstone R.S. x	11J25	7800	4/29	25	8.4	4.2	4.0b
Trial Lake x	10J8	9800	4/29	88	28.2	32.4	28.8b
White River #1 x	10K2	8600	4/30	21	8.2	9.4	8.0b
Windy Park A	9J12	9400	4/23	39	10.1	13.8A	- -

### PRICE RIVER

Corral	10K5	8200	5/1	0	0.0	0.0	- -
Dry Valley Divide	11K8	7800	4/29	6	1.4	6.1	4.6b
Gooseberry Reservoir	11K4	8700	4/26	44	18.2	21.4	17.5b
Grassy Trail Crk-Left Fk.	10K3	7970	5/1	0	0.0	0.0	- -
Indian Canyon x	10K1	9100	4/26	26	8.3	10.4	7.5b
Mammoth R.S.-Ctnwd.Crk.x	11K3	8800	4/26	42	18.4	22.2	17.4b
Mud Creek #2	11K33	8300	4/29	21	6.4	7.7	7.0b
Timberline	10K6	9100	5/1	21	7.7	- -	- -

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1943-57, 15 year average.





# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## PRICE RIVER - Continued

White River #1	10K2	8600	4/30	21	8.2	9.4	8.0b
White River #2	11K24	7600	4/30	2	0.8	0.0	0.9b
White River #3	11K25	7400	4/30	0	0.0	0.0	0.3b

## SAN RAFAEL RIVER

Buck Flat	11K31	9400	4/25	43	17.1	18.2	16.1b
Gooseberry Reservoir	11K4	8700	4/26	44	18.2	21.4	17.5b
Mammoth R.S.-Ctnwd. Crk.x	11K3	8800	4/26	42	18.4	22.2	17.4b
Red Pine Ridge	11K28	9400	4/24	37	14.1	16.6	13.8b
Rush Pond	11K38	9800	4/25	30	11.5	15.1	11.3b
Seely Creek R.S.	11K9	10000	4/30	56	21.2	19.4	16.7b
Stuart R.S.	11K27	7950	4/26	0	0.0	0.0	1.6b
Switchback	11K26	8600	4/26	33	12.2	15.4	12.2b
Upper Joe's Valley	11K29	8800	4/24	12	4.4	5.2	4.8b
Wrigley Creek	11K32	9000	4/25	19	7.2	8.7	5.8b

## MUDDY RIVER

Mt. Baldy R.S. x	11K12	9500	4/25	59	23.2	29.1	23.2b
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## FREMONT RIVER

Black's Flat-U.M. Creek	11L4	9250	4/24	15	4.7	7.6	8.5b
Farnsworth Lake x	11L1	9900	4/29	49	15.9	20.7	18.7b
Fish Lake	11L3	8700	5/1	0	0.0	0.0	2.7b
Johnson Valley	11L6	8850	4/24	0	0.0	0.0	2.5b

## ESCALANTE RIVER

Widtsoe-Escalante Smt.	11M1	9500	4/29	6	2.0	0.0	1.9b
Widtsoe-Escalante #2	11M2	9500	4/29	20	6.0	4.2	4.7b
Widtsoe-Escalante #3	11M3	9500	4/29	29	9.9	6.2	7.2b

## VIRGIN RIVER

Cedar Breaks x	12M1	10390	4/29	55	16.8	22.0	17.0b
Duck Creek R.S.	12M4	8560	4/26	7	2.0	4.9	4.5b
Harris Flat R.S.	12M5	7700	4/26	0	0.0	0.0	0.4b
Midway Valley x	12M2	9800	4/29	52	16.8	20.8	19.0b
Webster Flat	12M3	9200	4/29	22	7.1	5.8	8.9b

## SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9M1	9000	4/26	1	0.5	7.9	- -
Camp Jackson	9M2	8600	4/26	2	0.6	2.4	- -
LaSal Mountain	9L1	8800	4/26	0	0.0	0.0	- -
LaSal Mountain(upper)	9L2	9600	4/26	15	5.9	9.8	- -

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1943-57, 15 year average.



# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943-57 AVERAGE	THIS YEAR	1943-57 AVERAGE	PERCENT OF AVERAGE

## GREAT BASIN DRAINAGE

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### UPPER BEAR RIVER (Above Harer, Idaho)

Chalk Creek #2*	8000	4/24	7.85	3.00	18.47	20.45	90
Chalk Creek #3*	7500	4/24	6.85	- -	15.36	- -	--
Monte Cristo #2	8960	4/29	11.12	- -	29.52	- -	--
Salt River Summit	7900	4/29	5.20	3.30	19.85	22.17	90
Stillwater Camp	8550	4/30	6.35	2.26	14.53	17.26	84
Trial Lake *	9800	4/29	9.60	3.12	28.77	27.68	104

### LOWER BEAR RIVER (Below Harer, Idaho)

Dry Bread Pond	8230	4/29	9.25	3.54	25.96	26.84	97
Garden City Summit	7600	4/30	5.98	5.14	23.63	23.41	101
Klondike Narrows	7400	4/25	5.59	3.65	28.77	28.78	100
Little Bear(upper)	6850	4/30	8.97	3.40	24.54	23.40	105
Monte Cristo #2	8960	4/29	11.12	- -	29.52	- -	--
Tony Grove R.S.(SCS)	6250	4/30	5.43	- -	23.76	- -	--
Willow Flat	6100	4/26	8.00	4.46	25.70	28.22	91

### OGDEN RIVER

Ben Lomond(lower)	5850	4/30	9.25	3.65	29.83	30.29	98
Ben Lomond Trail	6000	4/30	9.90	- -	30.76	- -	--
Causey Dam	5500	4/29	5.15	- -	15.07	- -	--
Dry Bread Pond	8230	4/29	9.25	3.54	25.96	26.84	97
Horse Ridge	8260	4/26	8.65	- -	26.81	- -	--
Monte Cristo #2 *	8960	4/29	11.12	- -	29.52	- -	--
Sagebrush Flat	6300	4/29	5.30	2.50	18.27	18.10	101

### WEBER RIVER

Chalk Creek #2	8000	4/24	7.85	3.00	18.47	20.45	90
Chalk Creek #3	7500	4/24	6.85	- -	15.36	- -	--
Farmington Guard Sta.(1)	7500	4/30	11.62	4.85a	32.21	35.17a	92
Farmington Rice (1)	7000	4/30	11.77	4.80a	29.74	32.39a	92
Horse Ridge	8260	4/26	8.65	- -	26.81	- -	--
Lost Creek Reservoir	6125	4/26	3.95	- -	11.90	- -	--
Mt. Dell Dam(2) *	5500	4/30	7.86	2.59	18.04	16.03	113
Parley's Canyon Smt.	7500	4/27	8.16	4.00	22.96	24.80	93
Silver Lake(Brighton)*(2)	8725	4/30	9.67	4.00a	30.81	34.11a	90
Smith & Morehouse	7600	4/27	8.65	3.00	21.69	21.75	100
Trial Lake *	9800	4/29	9.60	3.12	28.77	27.68	104

(1) Data supplied by U.S.Forest Service  
\* Adjacent Drainage

(2) Data supplied by U.S.Weather Bureau  
a All values estimated except those  
where symbol a occurs.



# PRECIPITATION DATA (Inches)

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## PROVO RIVER & UTAH LAKE

Clear Creek Ridge #2	8000	4/26	6.25	2.70	17.95	19.83	91
Daniels-Strawberry Smt.	8000	4/30	7.65	2.50	22.02	21.03	105
Dutchman R.S.	7500	4/30	8.60	3.20	27.47	30.82	89
East Portal Ridge	7800	4/30	7.15	- -	21.65	- -	--
Hobble Creek Smt.	7300	4/24	6.10	3.70	21.35	20.82	103
Payson R.S.	8050	4/25	6.37	3.53	19.30	21.58	89
Soapstone R.S.	7800	4/29	7.08	2.41	19.38	18.65	104
Strawberry Res.-East Portal	7606	4/30	4.40	1.73	12.61	11.16	113
Timpanogos Divide	8200	4/30	10.40	3.05	27.28	31.53	87
Trial Lake	9800	4/29	9.60	3.12	28.77	27.68	104

## JORDAN RIVER & TOOELE VALLEY

Middle Canyon	7000	4/29	6.86	3.54	18.00	20.82	86
Mt. Dell Dam(2)	5500	4/30	7.86	2.59	18.04	16.03	113
Parley's Canyon Smt.	7500	4/27	8.16	4.00	22.96	24.80	93
Silver Lake(Brighton)(2)	8725	4/30	9.67	4.00a	30.81	34.11a	90

## SEVIER RIVER ABOVE RICHFIELD

Big Flat *	10290	4/25	4.30	3.14	15.57	22.14	70
Box Creek	9800	4/25	3.45	3.35	12.60	18.85	67
Castle Valley	9700	4/30	4.90	3.10	15.37	16.56	93
Cedar Breaks	10390	4/29	7.30	- -	17.35	- -	--
Duck Creek R.S.	8560	4/26	5.82	3.15	15.50	22.75	68
Kimberly Mine	8900	4/26	3.80	4.32	14.15	23.72	60
Panguitch Lake	8200	4/30	1.70	1.00	7.08	9.50	75
Webster Flat *	9200	4/29	5.90	4.50	18.69	24.50	76
Widtsoe-Escalante #3	9500	4/29	4.68	2.00	13.73	14.79	93
Widtsoe R.S.	7600	4/29	1.18	0.82	3.99	6.06	66

## SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)

Beaver Dams	8000	4/25	2.95	2.57	14.35	17.50	82
Farnsworth Lake	9900	4/29	5.31	4.00	19.56	23.00	85
Fish Lake	8700	5/1	2.90	1.53	8.95	8.00	112
G.B.R.C. Headquarters(1)	8700	4/30	6.00	3.80	20.26	22.56	90
G.B.R.C. Meadows(1)	10000	4/30	7.07	3.82	26.51	23.46	113
G.B.R.C. Oaks(1)	7655	4/30	4.87	2.52	14.74	15.62	94
Gooseberry R.S.(1)	7800	4/29	3.65	2.80	13.58	14.90	91
Gooseberry Reservoir *	8700	4/26	6.78	3.15	21.12	21.45	98
Mammoth R.S. #2 *	8600	4/26	6.68	3.12	20.75	21.27	98
Mt. Baldy	9500	4/25	3.56	- -	18.98	- -	--
Pine Creek	8700	4/24	4.05	5.57	19.04	29.13	65
Shingle Mill	6200	4/23	2.85	- -	12.03	- -	--

(1) Data supplied by U.S.Forest Service

\* Adjacent Drainage

(2) Data supplied by U.S.Weather Bureau

\* All values estimated except those where symbol a occurs.





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## BEAVER RIVER

Beaver Canyon P.H. (2)	7275	4/30	3.74	2.00a	8.33	12.80a	65
Big Flat	10290	4/25	4.30	3.14	15.57	22.14	70

## PAROWAN CREEK

Yankee Reservoir	8700	4/25	2.12	2.20	8.65	14.63	59
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## COAL CREEK

Cedar Breaks	10390	4/29	7.30	- -	17.35	- -	--
Webster Flat *	9200	4/29	5.90	4.50	18.69	24.50	76

## ENTERPRISE TO NEW HARMONY DRAINAGE

Little Grassy Creek	6100	4/24	1.73	1.20	7.11	16.20	44
Long Flat	8000	4/26	2.48	2.75	11.33	16.84	67

## COLORADO RIVER DRAINAGE

### UPPER GREEN RIVER IN UTAH

#### (Tributaries above Flaming Gorge)

Black's Fork Jct.	8925	4/22	3.97	- -	12.62	- -	--
E.F. Black's Fk. G.S.	9300	4/22	3.70	- -	12.62	- -	--
Hewinta G.S.	9500	4/22	4.05	- -	14.01	- -	--
Spirit Lake	10300	4/23	5.40	- -	13.24	- -	--

## BRUSH CREEK

Kings Cabin(upper)	8730	4/23	4.35	2.73	12.62	15.73	80
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## DUCHESNE RIVER

Currant Creek	7800	4/29	6.17	1.80	16.87	15.14	111
Daniels-Strawberry Smt. *	8000	4/30	7.65	2.50	22.02	21.03	105
East Portal Ridge *	7800	4/30	7.15	- -	21.65	- -	--
Indian Canyon	9100	4/26	4.25	- -	13.55	- -	--
Julius Park	9800	4/25	5.30	2.20	14.33	17.36	83
Lakefork Mountain	10500	4/26	4.25	2.26	13.76	16.66	83
Moon Lake	8150	5/1	3.70	1.27	10.00	10.34	97
Paradise Park	10100	4/25	6.35	2.36	14.89	18.61	80
Rock Creek	7900	4/30	7.00	1.33	15.25	14.13	108
Soapstone R.S. *	7800	4/29	7.08	2.41	19.38	18.65	104
Strawberry Res.-E.Portal*	7606	4/30	4.40	1.73	12.61	11.16	113
Trial Lake*	9800	4/29	9.60	3.12	28.77	27.68	104
White River #1	8600	4/30	5.40	2.11	15.40	18.42	84

(1) Data supplied by U.S.Forest Service

(2) Data supplied by U.S.Weather Bureau

\* Adjacent Drainage

a All values estimated except those where symbol a occurs.



# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943-57 AVERAGE	THIS YEAR	1943-57 AVERAGE	PERCENT OF AVERAGE

a

a

## PRICE RIVER

Clear Creek Ridge #2 *	8000	4/26	6.25	2.70	17.95	19.83	91
Gooseberry Reservoir	8700	4/26	6.78	3.15	21.12	21.45	98
Indian Canyon	9100	4/26	4.25	- -	13.55	- -	--
Mammoth R.S. #2	8600	4/26	6.68	3.12	20.75	21.27	98
Mud Creek	8300	4/29	6.10	2.31	17.94	18.51	97
White River #1	8600	4/30	5.40	2.11	15.40	18.42	84

## SAN RAFAEL RIVER

Buck Flat	9400	4/25	3.85	3.15	20.36	20.15	101
G.B.R.C. Meadows *(1)	10000	4/30	7.07	3.82	26.51	23.46	113
Gooseberry Reservoir *	8700	4/26	6.78	3.15	21.12	21.45	98
Red Pine Ridge	9400	4/24	4.25	3.88	18.93	23.88	79
Stuart R.S.	7950	4/26	3.13	2.27	12.97	16.54	78

## MUDDY RIVER

Mt. Baldy R.S. *	9500	4/25	3.56	- -	18.98	- -	--
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## FREMONT & ESCALANTE RIVERS

Black's Flat-U.M. Creek	9250	4/24	1.95	3.00	10.35	14.37	72
Farnsworth Lake *	9900	4/29	5.31	4.00	19.56	23.00	85
Fish Lake	8700	5/1	2.90	1.53	8.95	8.00	112
Widtsoe-Escalante #3	9500	4/29	4.68	2.00	13.73	14.79	93

## VIRGIN RIVER

Duck Creek R.S.	8560	4/26	5.82	3.15	15.50	22.75	68
Webster Flat	9200	4/29	5.90	4.50	18.69	24.50	76

## SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9000	4/30	3.20	4.00	15.95	23.00	69
Camp Jackson	8600	4/26	2.00	3.30	12.00	18.31	66
LaSal Mountain(upper)	9600	4/26	1.45	3.54	13.73	22.54	61

(1) Data supplied by U.S.Forest Service

\* Adjacent Drainage

(2) Data supplied by U.S.Weather Bureau

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where symbol a occurs.



# Agencies Cooperating in Utah Snow Surveys

## U. S. GOVERNMENT AGENCIES

U. S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U. S. Department of Commerce  
Weather Bureau  
U. S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service

## STATE AGENCIES

Utah Agricultural Experiment Station  
Utah Fish and Game Department  
Utah State Engineer  
Little Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioner  
Spanish Fork River Commissioner  
Utah Water and Power Board

## MUNICIPALITIES

Manti  
Salt Lake City

## ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Emery Canal and Reservoir Company  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association

## PRIVATE AGENCIES

Kaiser Steel Corporation



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**COOPERATIVE SNOW SURVEYS**

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necessary for forecasting  
water supply for irrigation,  
domestic and municipal water  
supply, hydro-electric power  
generation, navigation,  
mining and industry

*"The Conservation of Water begins  
with the Snow Survey"*